

Remarks/Arguments35 U.S.C. §103, ¶

As indicated in the Amendment dated December 4, 2003, in Claim 1, a pair of frame deflection coils have the shape of a saddle such as shown in Figure 3a. An external edge such as edge 121 of Figure 3a of the lateral harness that lies in a radial angular position, such as θ_1 of Figure 4a greater than 5 degrees in the front part, such as region 23 of Figure 3a of the coil, as referred to in page 7, lines 21-28. The external edge of the lateral harness lies in a radial angular position close to zero, as shown in Figure 4b, from the rear part, such as region 25 of Figure 3a, to a point such as point M, lying within the intermediate region such as region 24 and is equal to or greater than two third of the length of the saddle shaped deflection coil along the Z axis.

In the Office Action dated 9/5/2003, the Examiner argued that it would have been obvious to construct the vertical deflection coil of Kuwahara with radial angular position greater than 5 degrees according to Renders. However, Claim 1, as amended, includes a limitation reciting the external edge of the lateral harness that lies in a radial angular position close to zero in a region equal to or greater than two thirds of the length along Z of the deflection coil. The selection of the length " equal to or greater than two thirds of the length along Z of the deflection coil " provides the advantage of solving the distortion problem without impacting the other parameters, as indicated in page 7, line 29 to page 8, line 10. None of the cited references suggests this limitation. Also, there is no reasonable expectation of success in achieving any advantage by incorporating this limitation with the arrangements of Kuwahara and Renders. Thus, the discovery that this limitation provides the aforementioned advantage makes Claim 1 unobvious. It follows that Claim 1 is patentably distinguishable over each and over a combination of Renders et al., and Kuwahara.

Allowance of Claims 1, 3 and 6 is, respectfully, requested.

No fee is believed due. However, if a fee is due, please charge the additional fee to
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Respectfully submitted,
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